ELSEVIER

Computers in Industry 27 (1995) 305–306

COMPUTERS IN INDUSTRY

Subject Index Volume 27

Abstract manufacturing service 155
Aircraft frame assembly 259
Assembly sequence generation 259
AT-GPIB 75
Automatic assembly 23
Automatic test system 75
Automation 33

Back propagation 225
Base radio equipment 75
Binary image 251
B-spline curves 287
Business process modelling 123

Cams 287
Chemical production 237
CIM 101
CIMOSA 101, 123, 143, 167, 179, 203
Closed curves 287
Communication platform 155
Computer-aided assembly planning 259
Computer configuration 3
Computer integrated manufacturing 143
Computerization 291
Computer vision 225
Concurrent engineering 3
Connectivities 251
Constraint-based reasoning 3
Control 191
Controller 75
Control systems 43
Convex hull 23
Coordinate calibration 225
Curve fitting 287

Diagnostics 237
Dimensional inspection 225

Ecological assessment 273
Enterprise integration 101, 123, 143
Enterprise modelling 101, 123
Error correction 225
Expert system 237

Global information model 155
Graphic user interface 251

High performance computing 273
Holes 251

IBM PC/AT compatible 75
IEEE 488.2 75
Industrial automation 143
Industrial integration 179
Instantiation process 111
Integrating infrastructure 155, 179, 203
Integration 111, 167
Interactive constraint modeling 3

Knowledge 237

Logistics 273

Machine vision 23
Management 33
Manufacturing 291
Manufacturing integration 155, 191
Measurement correction 225
Model creation 167
Model execution 167
Modelling 111
Modelling methodologies 123
Monitoring 191
Monitoring reference system 203
Multi-access rural radio 75

Neural networks 225
NI 488.2 75
Noise 23

Object measurement 23
Object orientation 237
Object-oriented methodology 203
Object-oriented programming 259
Open System Architecture 101

Partial model 111
Planning and control 291
Precise measurement 225
Production manufacturing 203
Production programming language 237
Programmable logic controllers 65

Real-time networks 43
Real-time simulation 43
Relay ladder logic 65
Reusability 203

Shipbuilding 33
Simulation 191
Strategic planning 273
Subscriber radio equipment 75
System life cycle 123
Systems 291
Technology 33
Tools 167
User interface 273

ELSEVIER

Computers in Industry 27 (1995) 307–309

COMPUTERS IN INDUSTRY

Author Index Volume 27

Arabatzis, T., D. Papaioannou, M. Didic and F. Neuscheler, Elval pilot. Aluminium casting traceability supported by CIMOSA 191

Baranwal, S.N., *see* Goyal, A.K. 75
Bassand, A., *see* Faure, J.M. 111
Batanov, D.N. and Z. Cheng, An object-oriented expert system for fault diagnosis in the ethylene distillation process 237
Bhattacharya, P. and T.W. Wong, Design of a graphic user interface for a part's inner feature detection 251

Chan, J.C.M., K.L. Mak and S.F. Mak, Computerization of manufacturing planning and control systems in the Hong Kong manufacturing industry 291
Chang, C.A., *see* Su, C.-T. 225
Cheng, Z., *see* Batanov, D.N. 237
Couffin, F., *see* Faure, J.M. 111
Couffin, F., *see* Didic, M.M. 167

Decotignie, J.D., *see* Raja, P. 43
De Vries, M., *see* Didic, M.M. 167
Didic, M., *see* Arabatzis, T. 191
Didic, M.M., F. Couffin, E. Holler, S. Lampérière, F. Neuscheler, J. Rogier and M. de Vries, Open engineering and operational environment for CIMOSA 167

Fang, S.G., *see* Lapalus, E. 155
Faure, J.M., A. Bassand, F. Couffin and S. Lampérière, Business process engineering with partial models 111
Fohn, S.M., J.S. Liau, A.R. Greef, R.E. Young and P.J. O'Grady, Configuring computer systems through constraint-based modeling and interactive constraint satisfaction 3

Goyal, A.K., U.J. Mathews, S.N. Baranwal, A.M. Verma and P. Ray, State-of-the-art automatic test system for multi-access rural radio system 75
Gransier, T. and W. Schönewolf, Validation of CIMOSA 95
Gransier, T.A.G., *see* Zwegers, A.J.R. 143
Greef, A.R., *see* Fohn, S.M. 3
Guidec, F., *see* Raja, P. 43

Hameri, A.-P. and A. Paatela, Multidimensional simulation as a tool for strategic logistics planning 273
Hernandez, J., *see* Raja, P. 43
Holler, E., *see* Didic, M.M. 167

Kao, C., D.-C. Li, C. Wu, J.J. Lyu and H.-J. Shaw, Planning for automation for shipyards. An illustrative study 33
Kosanke, K., CIMOSA – Overview and status 101
Kosanke, K., *see* Zelm, M. 123

Lampérière, S., *see* Faure, J.M. 111
Lampérière, S., *see* Didic, M.M. 167
Lapalus, E., S.G. Fang, C. Rang and R.J. van Gerwen, Manufacturing integration 155
Li, D.-C., *see* Kao, C. 33
Li, S.-Q., *see* Liao, T.W. 259
Liao, T.W., X.-W. Wu, S.-Q. Zheng and S.-Q. Li, A computer-aided aircraft frame assembly planner 259
Liau, J.S., *see* Fohn, S.M. 3
Lyu, J.J., *see* Kao, C. 33

Mak, K.L., *see* Chan, J.C.M. 291
Mak, S.F., *see* Chan, J.C.M. 291
Mathews, U.J., *see* Goyal, A.K. 75
McGarva, J.R. and G. Mullineux, The implementation of closed B-spline curves for application to mechanisms 287
Mei, J., H.-C. Zhang and W.J.B. Oldham, A neural network approach for datum selection in computer-aided process planning 53
Mullineux, G., *see* McGarva, J.R. 287

Neuscheler, F., *see* Didic, M.M. 167
Neuscheler, F., *see* Arabatzis, T. 191

O'Grady, P.J., *see* Fohn, S.M. 3
Oldham, W.J.B., *see* Mei, J. 53

Paatela, A., *see* Hameri, A.-P. 273
Papaioannou, D., *see* Arabatzis, T. 191
Piérard, E., Reference architecture for car assembly monitoring 203

Raja, P., J. Hernandez, L. Ruiz, F. Guidec and J.D. Decotignie, Simulating fieldbus applications with DRUGH simulator 43
Raman, S., *see* Vaidyanathan, S. 23
Rang, C., *see* Lapalus, E. 155
Ray, P., *see* Goyal, A.K. 75
Röck, M., *see* Schlotz, C. 179
Rogier, J., *see* Didic, M.M. 167
Ruiz, L., *see* Raja, P. 43

Schlotz, C. and M. Röck, Reorganization of a production department according to the CIMOSA concepts 179
Schönewolf, W., *see* Gransier, T. 95
Shaw, H.-J., *see* Kao, C. 33
Su, C.-T., C.A. Chang and F.-C. Tien, Neural networks for precise measurement in computer vision systems 225

Tien, F.-C., *see* Su, C.-T. 225

Vaidyanathan, S. and S. Raman, OMNE-Vision—Object measurement in a noisy environment using vision 23
Van Gerwen, R.J., *see* Lapalus, E. 155
Verma, A.M., *see* Goyal, A.K. 75
Vernadat, F.B., *see* Zelm, M. 123

Welch, J.T., An event chaining relay ladder logic solver 65
Wong, T.W., *see* Bhattacharya, P. 251
Wu, C., *see* Kao, C. 33
Wu, X.-W., *see* Liao, T.W. 259

Young, R.E., *see* Fohn, S.M. 3

Zelm, M., F.B. Vernadat and K. Kosanke, The CIMOSA business modelling process 123
Zhang, H.-C., *see* Mei, J. 53
Zheng, S.-Q., *see* Liao, T.W. 259
Zwegers, A.J.R. and T.A.G. Gransier, Managing re-engineering with the CIMOSA architectural framework 143